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Subject: Hatco Project Update - August/September 2016
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Jim, Tony, Mark,

Here is a short update of activities for the Hatco project during August and September 2016:

- During the first week of September Weston observed that an as-yet unidentified party clear cut the restored wetland area along Channel B. Weston advised NJDEP of this condition and has been in contact with the property owner. It appears that the clearing was performed as part of utility maintenance, but this has not yet been confirmed. Once we have reached the responsible party(ies) we will determine an appropriate path forward.
- Weston completed vapor monitoring at the recovery wells from August 10 through 15, 2016. This included monitoring for combustible gases at the 36 existing recovery wells and sumps using a 5-gas meter and a landfill gas meter (GEM 2000). Readings were collected at the top of the well casing and in the breathing zone above the well at each location. Results of this work indicated the presence of combustible gases at concentrations between 10% and 100% of the lower explosive limit (LEL) at the top of well casing at 24 of the 36 recovery wells. Ten percent of the LEL is considered to be an unsafe condition. Five of the recovery wells were tested to assess the short-term generation rate of combustible gases. Each of these wells was vented passively for up to 4 hours and then capped overnight. This test was repeated for four days. Results of the venting indicated that combustible gases remained at greater than 10% of the LEL in two of the five wells during the short-term venting. With one exception, combustible gas concentrations rose overnight to unsafe levels in all five of the wells tested. Weston is currently evaluating alternatives that will allow us to manage this condition and resume LNAPL recovery operations safely.
- Weston is finalizing the conceptual remediation plan for Woodbridge Pond based on our meeting with representatives of the Woodbridge Township on June 29. The revised plan addresses future use. We expect to reach an agreement with the property owner shortly and we will finalize the work plan for regulatory review and construction permitting.
- Remediation of the Southeast Leg area is complete. Weston is currently preparing a Remedial Action Progress report to document the work. Construction of the cut-off wall was completed during the Southeast Leg remediation work; no mobile LNAPL remains downgradient of the cut-off wall. Additional wetland restoration was performed on August 5 to meet the permit requirements. Fieldwork for the annual wetland monitoring was performed on August 13 and September 15. Replacement of trees is scheduled for October 17.
- Remediation of the Northeast Impoundment has been completed. During the remediation, erosion was observed along the bank of Slingtail Creek. While this erosion was unrelated to the remediation activities, a limited area along the northeast corner of the NEI cap will require additional protection to prevent future erosion from undermining the cap. Weston is currently preparing required permit applications to construct the erosion protection system.
- In July, Weston completed the application of a temporary stabilizing agent (Soiltac) on the Former Lagoon area to extend the functional lifespan of the temporary cover until final capping can be implemented. Weston conducted inspections of the Former Lagoon Area in August and September and determined that the temporary cover is functioning properly. Weston will provide the final cap design to USEPA for review.
- On August 30, Weston received comments from NJDEP regarding delineation of contamination in the area of Channel D. Weston and the LSRP are currently reviewing NJDEP's comments and preparing responses. The response will be provided by October 31. Weston is continuing to evaluate the remediation approach for the offsite Channel D area.
- Weston is currently preparing an engineering plan for site-wide capping of remaining contaminated soil and permanent capping of the former Lagoon Area. Weston will document the existing conditions and provide a detailed plan to complete the onsite cap construction for regulatory review and approval.

Please let me know if you have any questions.

Thanks,

Jason

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